

Snubber Capacitor RC Network Stranded Wire

MEXR-8x Series

MERITEK

FEATURE

- Self-Healing Property
- Metallized Polypropylene Film, Non-Inductive Winding
- Flammability Classification 94V-0
- Application: Relay Contact Protection, Interference, Transient Suppression, Noise Reduction.
- UL/cUL Safety Approved: Certification No: E197475



SPECIFICATIONS

Item	Characteristic	
Operating Temperature Range	-40°C ~ +110°C	
Rated Voltage , Climate Category	250VAC, 300VAC	at 50~60Hz, 40/110/56/B
Capacitance, Tolerance	0.01μF ~ 1.0μF	±5% (J), ±10% (K), ±20% (M)
Dissipation Factor (tan δ)	≤0.1%	at 1KHz ±2%, ≤1.0VRMS
Resistance Range	2.2 Ω ~470Ω	±5% (J), ±10% (K), ±20% (M)
Resistor Power Rating	1W (standard),	Options:1/4W, 1/2W, 2W, 3W, 4W; 5W, 9W,10W
Insulation Resistance	≥ 30,000MΩ (C≤0.33μF) ≥ 10,000MΩ*μF/C (C>0.33μF)	at 100VDC, Change Time: 60s ±5s
Withstanding Voltage	4.3*UrDC for 2sec	Between Terminals
	2.5KVAC /60Hz for 2sec	Between Terminals and Case
Peak Pulse Voltage	1000V (Max 12 A Repetitive. Max 20 A Peak for Occasional Transients)	

PART NUMBERING SYSTEM

MEXR 224K 471K 3 8x
(1) (2) (3) (4) (4)

No	Item	Code	Description	
(1)	Product Code	MEXR	EMI Suppression Capacitors, RC Network Snubber	
(2)	Capacitance Code	224K	220000pF ±10% (K)	First two digits: Significant, Third: Multiplier
(3)	Resistance Code	471K	470Ω ±10% (K)	First two digits: Significant, Third: Multiplier
(4)	Rated Voltage Code	3	3: 300VAC	2: 250VAC, Rated AC Voltage
(5)	Internal Code	8x	Stranded Wire type, x: Internal Control or Project Reference	

OPTION CODE

Code	Wire Type	Wire Length	Terminal type
80	PVC Stranded Wire UL1015 18AWG,	50mm	Solder end, 10mm
81	PVC Stranded Wire UL1015 18AWG,	100mm	Solder end, 6mm
82, 84	PVC Stranded Wire UL1015 18AWG, Black/White	120mm	Red Insulated Y Terminal 6.2x3.7mm *2
83	PVC Stranded Wire UL1015 18AWG, Black/White	120mm	Red Insulated Female Lug 6.4x0.8mm 2

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ELECTRICAL SPECIFICATION- 250VAC

Part Number	Code	Cap	Tol	Volt	W±1.0	H±1.0	T±1.0	P±1.0	Safety
		(uF)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	Compliance
MEXR103%-28x	103	0.010	J, K, M	250	18.0	13.5	6.0	13.5	UL, cUL, ENEC
MEXR333%-28x	333	0.033	J, K, M	250	18.0	13.5	6.0	13.5	UL, cUL, ENEC
MEXR473%-28x	473	0.047	J, K, M	250	18.0	13.5	6.0	13.5	UL, cUL, ENEC
MEXR683%-28x	683	0.068	J, K, M	250	18.0	13.5	6.0	13.5	UL, cUL, ENEC
MEXR104%-28x	104	0.10	J, K, M	250	18.0	16.5	8.5	22.5	UL, cUL, ENEC
MEXR224%-28x	224	0.22	J, K, M	250	26.5	16.5	7.0	22.5	UL, cUL, ENEC
MEXR334%-28x	334	0.33	J, K, M	250	26.5	17.0	8.5	22.5	UL, cUL, ENEC
MEXR474%-28x	474	0.47	J, K, M	250	26.5	17.0	8.5	22.5	UL, cUL, ENEC
MEXR564%-28x	564	0.56	J, K, M	250	25.0	19.5	10.5	22.5	UL, cUL, ENEC
MEXR684%-28x	684	0.68	J, K, M	250	31.5	21.0	12.0	27.5	UL, cUL, ENEC
MEXR105%-28x	105	1.00	J, K, M	250	31.5	21.0	12.0	27.5	UL, cUL, ENEC

ELECTRICAL SPECIFICATION- 300VAC

Part Number	Code	Cap	Tol	Volt	W±1.0	H±1.0	T±1.0	P±1.0	Safety
		(uF)	(%)	(V _{AC})	(mm)	(mm)	(mm)	(mm)	Compliance
MEXR103%-38x	103	0.01	J, K, M	300	18.0	13.5	6.0	13.5	UL, cUL, ENEC
MEXR333%-38x	333	0.033	J, K, M	300	18.0	13.5	6.0	13.5	UL, cUL, ENEC
MEXR473%-38x	473	0.047	J, K, M	300	18.0	13.5	6.0	13.5	UL, cUL, ENEC
MEXR683%-38x	683	0.068	J, K, M	300	18.0	13.5	6.0	13.5	UL, cUL, ENEC
MEXR104%-38x	104	0.10	J, K, M	300	18.0	16.5	8.5	22.5	UL, cUL, ENEC
MEXR224%-38x	224	0.22	J, K, M	300	26.5	16.5	7.0	22.5	UL, cUL, ENEC
MEXR334%-38x	334	0.33	J, K, M	300	26.5	17.0	8.5	22.5	UL, cUL, ENEC
MEXR474%-38x	474	0.47	J, K, M	300	26.5	17.0	8.5	22.5	UL, cUL, ENEC
MEXR564%-38x	564	0.56	J, K, M	300	25.0	19.5	10.5	22.5	UL, cUL, ENEC
MEXR684%-38x	684	0.68	J, K, M	300	31.5	21.0	12.0	27.5	UL, cUL, ENEC
MEXR105%-38x	105	1.00	J, K, M	300	31.5	21.0	12.0	27.5	UL, cUL, ENEC

Note:

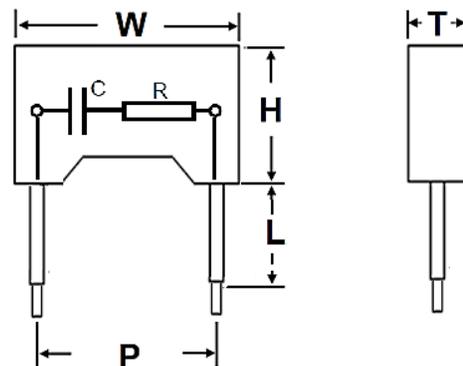
1. %: capacitance tolerance: ±5% (J), ±10% (K), ±20% (M)
2. -: Resistor options: resistance code and tolerance: : ±5% (J), ±10% (K), ±20% (M)
3. x: Internal control code or Project Reference

DIMENSION

P (mm)	W, H, T (mm)
13.5	See Table Attached
22.5	
27.5	

Note:

1. Standed Wire Length: L1, L2: options upon request
2. Contact Meritek for other available options on Wire type and Length or wire assembly.



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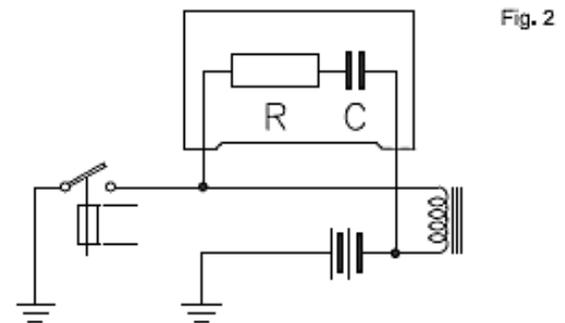
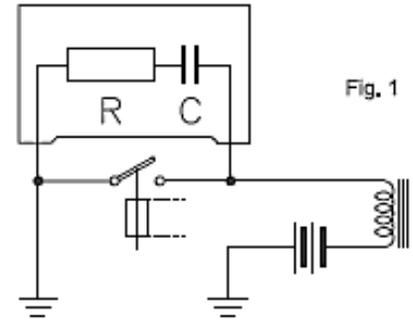
APPLICATION NOTE

Application

- Contact protection
- Interference suppression of contacts
- Transient suppression

Mounting

RC units are mounted in parallel with the contacts to be protected or in parallel with the inductive load (fig.1-2). RC units are generally mounted in parallel with the contacts to suppress radio interferences (fig.1).



*Specifications subject to change without notice.